1106-VM-1251 **Ryan Hood** and **J Mealy*** (jmealy@austincollege.edu), Austin College, suite 61560, 900 North Grand Avenue, Sherman, TX 75090. *Spiraling geodesics in staircase metric geometries.*

Further results in the category, staircase metric geometry. First, a brief introduction to this new category of geometric systems is given, primarily by illustrating the construction of varied complete geodesics in specific staircase metric geometries. While new, these geodesics are not dissimilar from their familiar classical counterparts in models of the 2-dimensional hyperbolic plane. However, we then undertake constructions of geodesics that have less familiar properties. Specifically, we construct SMG systems that feature spiraling geodesics, and investigate further the properties of these objects. While our construction scheme is 'richer' in the flat parameter space case, we establish the existence of such a geodesic in one spherical parameter space case as well. Finally, further directions in the work are outlined. (Received September 12, 2014)